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* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	SEP 09	CA/CAplus records now contain indexing from 1907 to the present
NEWS	4	DEC 08	INPADOC: Legal Status data reloaded
NEWS	5	SEP 29	DISSABS now available on STN
NEWS	6	OCT 10	PCTFULL: Two new display fields added
NEWS	7	OCT 21	BIOSIS file reloaded and enhanced
NEWS	8	OCT 28	BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS	9	NOV 24	MSDS-CCOHS file reloaded
NEWS	10	DEC 08	CABA reloaded with left truncation
NEWS	11	DEC 08	IMS file names changed
NEWS	12	DEC 09	Experimental property data collected by CAS now available in REGISTRY
NEWS	13	DEC 09	STN Entry Date available for display in REGISTRY and CA/CAplus
NEWS	14	DEC 17	DGENE: Two new display fields added
NEWS	15	DEC 18	BIOTECHNO no longer updated
NEWS	16	DEC 19	CROPU no longer updated; subscriber discount no longer available
NEWS	17	DEC 22	Additional INPI reactions and pre-1907 documents added to CAS databases
NEWS	18	DEC 22	IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields
NEWS	19	DEC 22	ABI-INFORM now available on STN
NEWS	20	JAN 27	Source of Registration (SR) information in REGISTRY updated and searchable
NEWS	21	JAN 27	A new search aid, the Company Name Thesaurus, available in CA/CAplus
NEWS	22	FEB 05	German (DE) application and patent publication number format changes
NEWS	23	MAR 03	MEDLINE and LMEDLINE reloaded
NEWS	24	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	25	MAR 03	FRANCEPAT now available on STN

NEWS EXPRESS	MARCH 5 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 3 MARCH 2004
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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  * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 11:51:00 ON 23 MAR 2004

=> file medline, agricola, caba, caplus, biosis, biotechno, uspatfull
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.21       0.21

FILE 'MEDLINE' ENTERED AT 11:51:07 ON 23 MAR 2004

FILE 'AGRICOLA' ENTERED AT 11:51:07 ON 23 MAR 2004

FILE 'CABA' ENTERED AT 11:51:07 ON 23 MAR 2004
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FILE 'CAPLUS' ENTERED AT 11:51:07 ON 23 MAR 2004
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FILE 'BIOTECHNO' ENTERED AT 11:51:07 ON 23 MAR 2004
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FILE 'USPATFULL' ENTERED AT 11:51:07 ON 23 MAR 2004
CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

=> s (hemerly, a? or hemerly a?)/au
L1           97 (HEMERLY, A? OR HEMERLY A?)/AU

=> s (ferreira, p? or ferreira p?)/au
L2         1414 (FERREIRA, P? OR FERREIRA P?)/AU

=> s (rombauts, s? or rombauts s?)/au
L3          101 (ROMBAUTS, S? OR ROMBAUTS S?)/AU

=> s l1 and l2 and l3
L4            2 L1 AND L2 AND L3

=> duplicate remove l4
DUPLICATE PREFERENCE IS 'CAPLUS, USPATFULL'
KEEP DUPLICATES FROM MORE THAN ONE FILE?  Y/(N):n
PROCESSING COMPLETED FOR L4
L5            2 DUPLICATE REMOVE L4 (0 DUPLICATES REMOVED)

=> d l5 1-2 ti

L5   ANSWER 1 OF 2  USPATFULL on STN
TI     Plant proteins

L5   ANSWER 2 OF 2  CAPLUS  COPYRIGHT 2004 ACS on STN
TI   Arabidopsis thaliana CDC27 and CDC7 protein homologs, their sequences,
     recombinant production and use in modulating DNA replication in transgenic
     plants


=> d l5 1-2 bib

L5   ANSWER 1 OF 2  USPATFULL on STN
AN     2002:294714  USPATFULL
```

TI Plant proteins
IN **Hemerly, Adriana Silva**, Rio De Janeiro, RJ, BRAZIL
Ferreira, Paulo Cavalcanti Gomes, Rio De Janeiro, BRAZIL
Rombauts, Stephane, Gent, BELGIUM
PA CropDesign N.V, GENT, BELGIUM, 9052 (non-U.S. corporation)
PI US 2002164757 A1 20021107
AI US 2002-36492 A1 20020107 (10)
RLI Continuation of Ser. No. WO 2000-EP6401, filed on 5 Jul 2000, UNKNOWN
PRAI EP 1999-202214 19990705
DT Utility
FS APPLICATION
LREP MICHAEL BEST & FRIEDRICH, LLP, ONE SOUTH PINCKNEY STREET, P O BOX 1806, MADISON, WI, 53701
CLMN Number of Claims: 28
ECL Exemplary Claim: 1
DRWN 17 Drawing Page(s)
LN.CNT 1655
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:31531 CAPLUS
DN 134:96271
TI Arabidopsis thaliana CDC27 and CDC7 protein homologs, their sequences, recombinant production and use in modulating DNA replication in transgenic plants
IN **Hemerly, Adriana Silva; Ferreira, Paulo Cavalcanti Gomes ; Rombauts, Stephane**
PA Cropdesign N.V., Belg.; Universidade Federal do Rio de Janeiro
SO PCT Int. Appl., 86 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001002430	A2	20010111	WO 2000-EP6401	20000705
	WO 2001002430	A3	20010927		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	EP 1192260	A2	20020403	EP 2000-945887	20000705
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2003506015	T2	20030218	JP 2001-508217	20000705
	US 2002164757	A1	20021107	US 2002-36492	20020107
PRAI	EP 1999-202214	A	19990705		
	WO 2000-EP6401	W	20000705		

=> s l1 or l2 or l3
L6 1523 L1 OR L2 OR L3

=> s l6 not l4
L7 1521 L6 NOT L4

=> s l7 and cdc27
L8 5 L7 AND CDC27

=> duplicate remove l8

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DUPLICATE PREFERENCE IS 'MEDLINE, CABA, CAPLUS, BIOSIS, BIOTECHNO'
KEEP DUPLICATES FROM MORE THAN ONE FILE?  Y/(N):n
PROCESSING COMPLETED FOR L8
L9             1 DUPLICATE REMOVE L8 (4 DUPLICATES REMOVED)

=> d l9 bib

L9   ANSWER 1 OF 1     MEDLINE on STN                    DUPLICATE 1
AN   2002610642     MEDLINE
DN   PubMed ID: 12368267
TI   The Arabidopsis HOBBIT gene encodes a CDC27 homolog that links
     the plant cell cycle to progression of cell differentiation.
AU   Blilou Ikram; Frugier Florian; Folmer Saskia; Serralbo Olivier; Willemsen
     Viola; Wolkenfelt Harald; Eloy Nubia B; Ferreira Paulo C G;
     Weisbeek Peter; Scheres Ben
CS   Department of Molecular Cell Biology, Utrecht University, 3584 CH Utrecht,
     The Netherlands.
SO   Genes & development, (2002 Oct 1) 16 (19) 2566-75.
     Journal code: 8711660. ISSN: 0890-9369.
CY   United States
DT   Journal; Article; (JOURNAL ARTICLE)
LA   English
FS   Priority Journals
OS   GENBANK-AJ487669
EM   200211
ED   Entered STN: 20021008
     Last Updated on STN: 20030128
     Entered Medline: 20021105


=> d his

     (FILE 'HOME' ENTERED AT 11:51:00 ON 23 MAR 2004)

     FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO, USPATFULL'
     ENTERED AT 11:51:07 ON 23 MAR 2004
L1            97 S (HEMERLY, A? OR HEMERLY A?)/AU
L2          1414 S (FERREIRA, P? OR FERREIRA P?)/AU
L3           101 S (ROMBAUTS, S? OR ROMBAUTS S?)/AU
L4             2 S L1 AND L2 AND L3
L5             2 DUPLICATE REMOVE L4 (0 DUPLICATES REMOVED)
L6          1523 S L1 OR L2 OR L3
L7          1521 S L6 NOT L4
L8             5 S L7 AND CDC27
L9             1 DUPLICATE REMOVE L8 (4 DUPLICATES REMOVED)

=> s cdc27
L10         370 CDC27

=> s dna(w)replication or cell(w)division
L11      340869 DNA(W) REPLICATION OR CELL(W) DIVISION

=> s l10 and l11
L12         126 L10 AND L11

=> s l12 and (cdna or gene or transform)
L13          98 L12 AND (CDNA OR GENE OR TRANSFORM)

=> s l13 and plant
L14          46 L13 AND PLANT

=> s l14 not l6
L15          39 L14 NOT L6

=> duplicate remove l15
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DUPLICATE PREFERENCE IS 'AGRICOLA, USPATFULL'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L15
L16 39 DUPLICATE REMOVE L15 (0 DUPLICATES REMOVED)

=> d l16 1-10 ti

L16 ANSWER 1 OF 39 USPATFULL on STN
TI Novel 13237, 18480, 2245, 16228, 7677, 26320, 46619, 33166, 16836, 46867, 21617, 55562, 39228, 62088, 46745, 23155, 21657, 42755, 32229, 22325, 46863 and 32252 molecules and uses therefor

L16 ANSWER 2 OF 39 USPATFULL on STN
TI Identification of dysregulated genes in patients with multiple sclerosis

L16 ANSWER 3 OF 39 USPATFULL on STN
TI Poroplasts

L16 ANSWER 4 OF 39 USPATFULL on STN
TI Minicell-based screening for compounds and proteins that modulate the activity of signalling proteins

L16 ANSWER 5 OF 39 USPATFULL on STN
TI Immunostimulatory G, U-containing oligoribonucleotides

L16 ANSWER 6 OF 39 USPATFULL on STN
TI Antibodies to native conformations of membrane proteins

L16 ANSWER 7 OF 39 USPATFULL on STN
TI Reverse screening and target identification with minicells

L16 ANSWER 8 OF 39 USPATFULL on STN
TI Minicell-based bioremediation

L16 ANSWER 9 OF 39 USPATFULL on STN
TI Methods of making pharmaceutical compositions with minicells

L16 ANSWER 10 OF 39 USPATFULL on STN
TI Human genes and **gene** expression products isolated from human prostate

=> d l16 11-20 ti

L16 ANSWER 11 OF 39 USPATFULL on STN
TI Minicell-based delivery agents

L16 ANSWER 12 OF 39 USPATFULL on STN
TI Cell cycle proteins associated with rad9, compositions and methods of use

L16 ANSWER 13 OF 39 USPATFULL on STN
TI Minicell-based selective absorption

L16 ANSWER 14 OF 39 USPATFULL on STN
TI Pharmaceutical compositions with minicells

L16 ANSWER 15 OF 39 USPATFULL on STN
TI Conjugated minicells

L16 ANSWER 16 OF 39 USPATFULL on STN
TI Methods of minicell-based delivery

L16 ANSWER 17 OF 39 USPATFULL on STN
TI Minicell-based diagnostics

L16 ANSWER 18 OF 39 USPATFULL on STN
TI Membrane to membrane delivery

L16 ANSWER 19 OF 39 USPATFULL on STN
TI Minicell-based **gene** therapy

L16 ANSWER 20 OF 39 USPATFULL on STN
TI Solid supports with minicells

=> d l16 21-30 ti

L16 ANSWER 21 OF 39 USPATFULL on STN
TI Minicell libraries

L16 ANSWER 22 OF 39 USPATFULL on STN
TI Forward screening with minicells

L16 ANSWER 23 OF 39 USPATFULL on STN
TI Minicell compositions and methods

L16 ANSWER 24 OF 39 USPATFULL on STN
TI Minicell-based transformation

L16 ANSWER 25 OF 39 USPATFULL on STN
TI Minicell-producing parent cells

L16 ANSWER 26 OF 39 USPATFULL on STN
TI Minicell-based rational drug design

L16 ANSWER 27 OF 39 USPATFULL on STN
TI Target display on minicells

L16 ANSWER 28 OF 39 USPATFULL on STN
TI Expression profile of prostate cancer

L16 ANSWER 29 OF 39 USPATFULL on STN
TI Method of modifying **plant** characters by the targeted
expression of a cell cycle control protein

L16 ANSWER 30 OF 39 USPATFULL on STN
TI Minicell-based transfection

=> d l16 29 bib

L16 ANSWER 29 OF 39 USPATFULL on STN
AN 2003:245987 USPATFULL
TI Method of modifying **plant** characters by the targeted
expression of a cell cycle control protein
IN John, Peter Crook Lloyd, Farrer, AUSTRALIA
Zhang, Kerong, Palmerston, AUSTRALIA
Sek, Francis John, Monash, AUSTRALIA
Van Camp, Wim, Sint-Denys-Westrem, BELGIUM
PI US 2003172404 A1 20030911
AI US 2002-122085 A1 20020410 (10)
RLI Continuation-in-part of Ser. No. US 2000-513504, filed on 25 Feb 2000,
ABANDONED
PRAI US 1999-121870P 19990226 (60)
US 1999-149049P 19990816 (60)
DT Utility
FS APPLICATION
LREP GREENLEE WINNER AND SULLIVAN P C, 5370 MANHATTAN CIRCLE, SUITE 201,
BOULDER, CO, 80303

CLMN Number of Claims: 58
ECL Exemplary Claim: 1
DRWN 13 Drawing Page(s)
LN.CNT 3460
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d l16 31-39 ti

L16 ANSWER 31 OF 39 USPATFULL on STN
TI Minicells comprising membrane proteins

L16 ANSWER 32 OF 39 USPATFULL on STN
TI Methods and compositions for diagnosing and treating rheumatoid arthritis

L16 ANSWER 33 OF 39 USPATFULL on STN
TI Combined growth factor-deleted and thymidine kinase-deleted vaccinia virus vector

L16 ANSWER 34 OF 39 USPATFULL on STN
TI Modulation of **cell division** by an early mitotic inhibitor protein

L16 ANSWER 35 OF 39 USPATFULL on STN
TI Methods of screening for modulation of cell cycle

L16 ANSWER 36 OF 39 USPATFULL on STN
TI Vectors having replication, immunogenicity and/or pathogenicity under stress promoter regulation and use thereof

L16 ANSWER 37 OF 39 USPATFULL on STN
TI Alteration of growth and adaptation under hypoxic conditions

L16 ANSWER 38 OF 39 USPATFULL on STN
TI TPR-containing genes

L16 ANSWER 39 OF 39 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN
TI Molecular cloning and sequence analysis of **cdc27**+ required for the G2-M transition in the fission yeast Schizosaccharomyces pombe.

=> d l16 34, 35, 36, 37, 39 bib

L16 ANSWER 34 OF 39 USPATFULL on STN
AN 2003:30888 USPATFULL
TI Modulation of **cell division** by an early mitotic inhibitor protein
IN Jackson, Peter K., Stanford, CA, UNITED STATES
Reimann, Julie Regan, Menlo Park, CA, UNITED STATES
PI US 2003022837 A1 20030130
AI US 2002-155789 A1 20020524 (10)
PRAI US 2001-293921P 20010524 (60)
DT Utility
FS APPLICATION
LREP BOZICEVIC, FIELD & FRANCIS LLP, 200 MIDDLEFIELD RD, SUITE 200, MENLO PARK, CA, 94025
CLMN Number of Claims: 26
ECL Exemplary Claim: 1
DRWN 21 Drawing Page(s)
LN.CNT 3005
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L16 ANSWER 35 OF 39 USPATFULL on STN
AN 2003:321432 USPATFULL
TI Methods of screening for modulation of cell cycle
IN Luo, Ying, Los Altos, CA, United States
Xu, Xiang, South San Francisco, CA, United States
PA Rigel Pharmaceuticals, Inc., South San Francisco, CA, United States (U.S. corporation)
PI US 6660511 B1 20031209
AI US 2000-517779 20000303 (9)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Achutamurthy, Ponnathapu; Assistant Examiner: Pak, Yong D
LREP Townsend and Townsend and Crew LLP
CLMN Number of Claims: 11
ECL Exemplary Claim: 1
DRWN 12 Drawing Figure(s); 10 Drawing Page(s)
LN.CNT 2959
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L16 ANSWER 36 OF 39 USPATFULL on STN
AN 2002:301227 USPATFULL
TI Vectors having replication, immunogenicity and/or pathogenicity under stress promoter regulation and use thereof
IN Gamerman, Gary Eric, Vienna, VA, UNITED STATES
PI US 2002168771 A1 20021114
AI US 2001-850270 A1 20010508 (9)
DT Utility
FS APPLICATION
LREP Gary Eric Gamerman, 2158 Bonaventure Drive, Vienna, VA, 22181
CLMN Number of Claims: 40
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2365
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L16 ANSWER 37 OF 39 USPATFULL on STN
AN 2002:55751 USPATFULL
TI Alteration of growth and adaptation under hypoxic conditions
IN Sauter, Margret Maria, Hamburg, GERMANY, FEDERAL REPUBLIC OF
Lorbiecke, Rene, Hamburg, GERMANY, FEDERAL REPUBLIC OF
PI US 2002032918 A1 20020314
AI US 2001-785738 A1 20010216 (9)
PRAI US 2000-183572P 20000218 (60)
DT Utility
FS APPLICATION
LREP Ann R. Pokalsky, Esq., NIXON PEABODY LLP, 990 Stewart Avenue, Garden City, NY, 11530
CLMN Number of Claims: 36
ECL Exemplary Claim: 1
DRWN 11 Drawing Page(s)
LN.CNT 2847
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L16 ANSWER 39 OF 39 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN
AN 92:75401 AGRICOLA
DN IND92043577
TI Molecular cloning and sequence analysis of **cdc27**+ required for the G2-M transition in the fission yeast Schizosaccharomyces pombe.
AU Hughes, D.A.; MacNeill, S.A.; Fantes, P.A.
CS University of Tokyo, Tokyo, Japan

```
AV   DNAL (442.8 Z34)
SO   M G G : Molecular and general genetics, Feb 1992. Vol. 231, No. 3. p.
     401-410
     Publisher: Berlin, W. Ger. : Springer International.
     CODEN: MGGEAE; ISSN: 0026-8925
NTE  Includes references.
DT   Article
FS   Non-U.S. Imprint other than FAO
LA   English


=> d his

     (FILE 'HOME' ENTERED AT 11:51:00 ON 23 MAR 2004)

     FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO, USPATFULL'
     ENTERED AT 11:51:07 ON 23 MAR 2004
L1            97 S (HEMERLY, A? OR HEMERLY A?)/AU
L2          1414 S (FERREIRA, P? OR FERREIRA P?)/AU
L3           101 S (ROMBAUTS, S? OR ROMBAUTS S?)/AU
L4             2 S L1 AND L2 AND L3
L5             2 DUPLICATE REMOVE L4 (0 DUPLICATES REMOVED)
L6          1523 S L1 OR L2 OR L3
L7          1521 S L6 NOT L4
L8             5 S L7 AND CDC27
L9             1 DUPLICATE REMOVE L8 (4 DUPLICATES REMOVED)
L10          370 S CDC27
L11       340869 S DNA(W)REPLICATION OR CELL(W)DIVISION
L12          126 S L10 AND L11
L13           98 S L12 AND (CDNA OR GENE OR TRANSFORM)
L14           46 S L13 AND PLANT
L15           39 S L14 NOT L6
L16           39 DUPLICATE REMOVE L15 (0 DUPLICATES REMOVED)

=> s l13 not l14
L17          52 L13 NOT L14

=> duplicate remove l17
DUPLICATE PREFERENCE IS 'MEDLINE, CAPLUS, BIOSIS, BIOTECHNO, USPATFULL'
KEEP DUPLICATES FROM MORE THAN ONE FILE?  Y/(N):n
PROCESSING COMPLETED FOR L17
L18           35 DUPLICATE REMOVE L17 (17 DUPLICATES REMOVED)

=> d l18 1-10 ti

L18  ANSWER 1 OF 35  USPATFULL on STN
TI     Classification and prognosis prediction of acute lymphoblastic leukemia
       by gene expression profiling

L18  ANSWER 2 OF 35  USPATFULL on STN
TI     55562 and 21617, novel human proteins and methods of use thereof

L18  ANSWER 3 OF 35  USPATFULL on STN
TI     Novel cyclin-selective ubiquitin carrier polypeptides

L18  ANSWER 4 OF 35  USPATFULL on STN
TI     Methods and products for enhancing immune responses using
       imidazoquinoline compounds

L18  ANSWER 5 OF 35  USPATFULL on STN
TI     Novel human genes and methods of use thereof

L18  ANSWER 6 OF 35  USPATFULL on STN
TI     Inhibitors of phosphoserine and phosphothreonine-proline-specific
       isomerases
```

L18 ANSWER 7 OF 35 USPATFULL on STN
TI **cDNA** databases for analysis of hematopoietic tissue

L18 ANSWER 8 OF 35 USPATFULL on STN
TI Methods and compositions for regulating protein-protein interactions

L18 ANSWER 9 OF 35 USPATFULL on STN
TI Genes encoding proteins involved in mitotic checkpoint control and methods of use thereof

L18 ANSWER 10 OF 35 USPATFULL on STN
TI Geminin **gene** and protein

=> d l18 9 bib

L18 ANSWER 9 OF 35 USPATFULL on STN
AN 2003:190663 USPATFULL
TI Genes encoding proteins involved in mitotic checkpoint control and methods of use thereof
IN Yen, Timothy, Havertown, PA, United States
Chan, Gordon, Cheltenham, PA, United States
Jablonski, Sandra, Philadelphia, PA, United States
PA Fox Chase Cancer Center, Philadelphia, PA, United States (U.S. corporation)
PI US 6593098 B1 20030715
WO 9928334 19990610
AI US 2000-555554 20000601 (9)
WO 1998-US25415 19981201
PRAI US 1997-67093P 19971201 (60)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Monshipouri, M.
LREP Dann, Dorfman, Herrell & Skillman, P.C., Rigaut, Kathleen D.
CLMN Number of Claims: 30
ECL Exemplary Claim: 1
DRWN 23 Drawing Figure(s); 16 Drawing Page(s)
LN.CNT 2463
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d l18 11-20 ti

L18 ANSWER 11 OF 35 CAPLUS COPYRIGHT 2004 ACS on STN
TI Effects of Oligonucleotide N3' P5' Thio-phosphoramidate (GRN163) Targeting Telomerase RNA in Human Multiple Myeloma Cells

L18 ANSWER 12 OF 35 CAPLUS COPYRIGHT 2004 ACS on STN
TI Replication proteins influence the maintenance of telomere length and telomerase protein stability

L18 ANSWER 13 OF 35 USPATFULL on STN
TI **cDNA** database and biochip for analysis of hematopoietic tissue

L18 ANSWER 14 OF 35 USPATFULL on STN
TI Novel cyclin-selective ubiquitin carrier polypeptides

L18 ANSWER 15 OF 35 USPATFULL on STN
TI Pin1 as a marker for abnormal cell growth

L18 ANSWER 16 OF 35 USPATFULL on STN
TI Methods and compositions for regulating protein-protein interactions

L18 ANSWER 17 OF 35 USPATFULL on STN

TI Inhibitors of phosphoserine and phosphothreonine-proline-specific isomerases

L18 ANSWER 18 OF 35 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 1
TI The influence of the **Cdc27** subunit on the properties of the Schizosaccharomyces pombe DNA polymerase δ

L18 ANSWER 19 OF 35 USPATFULL on STN
TI Cyclin-selective ubiquitin carrier polypeptides

L18 ANSWER 20 OF 35 MEDLINE on STN
TI Cid1, a fission yeast protein required for S-M checkpoint control when DNA polymerase delta or epsilon is inactivated.

=> d l18 12, 18 bib

L18 ANSWER 12 OF 35 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2003:325608 CAPLUS
DN 139:18255
TI Replication proteins influence the maintenance of telomere length and telomerase protein stability
AU Dahlen, Maria; Sunnerhagen, Per; Wang, Teresa S.-F.
CS Department of Pathology, Stanford University School of Medicine, Stanford, CA, 94305-5324, USA
SO Molecular and Cellular Biology (2003), 23(9), 3031-3042
CODEN: MCEBD4; ISSN: 0270-7306
PB American Society for Microbiology
DT Journal
LA English
RE.CNT 77 THERE ARE 77 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 18 OF 35 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 1
AN 2002:744189 CAPLUS
DN 138:35244
TI The influence of the **Cdc27** subunit on the properties of the Schizosaccharomyces pombe DNA polymerase δ
AU Bermudez, Vladimir P.; MacNeill, Stuart A.; Tappin, Inger; Hurwitz, Jerard
CS Program of Molecular Biology, Memorial Sloan-Kettering Cancer Center, New York, NY, 10021, USA
SO Journal of Biological Chemistry (2002), 277(39), 36853-36862
CODEN: JBCHA3; ISSN: 0021-9258
PB American Society for Biochemistry and Molecular Biology
DT Journal
LA English
RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d l18 21-30 ti

L18 ANSWER 21 OF 35 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN
TI Essential interaction between the fission yeast DNA polymerase δ subunit **Cdc27** and Pcn1 (PCNA) mediated through a C-terminal p21(Cip1)-like PCNA binding motif

L18 ANSWER 22 OF 35 MEDLINE on STN DUPLICATE 2
TI Genetic analyses of Schizosaccharomyces pombe dna2(+) reveal that dna2 plays an essential role in Okazaki fragment metabolism.

L18 ANSWER 23 OF 35 MEDLINE on STN DUPLICATE 3
TI Isolation and identification of the third subunit of mammalian DNA polymerase delta by PCNA-affinity chromatography of mouse FM3A cell extracts.

L18 ANSWER 24 OF 35 CAPLUS COPYRIGHT 2004 ACS on STN
TI Mutator phenotype induced by aberrant replication

L18 ANSWER 25 OF 35 MEDLINE on STN
TI A key role for replication factor C in **DNA replication** checkpoint function in fission yeast.

L18 ANSWER 26 OF 35 USPATFULL on STN
TI Assay and reagents for detecting inhibitors of ubiquitin-dependent degradation of cell cycle regulatory proteins

L18 ANSWER 27 OF 35 MEDLINE on STN
TI Characterization of the two small subunits of Saccharomyces cerevisiae DNA polymerase delta.

L18 ANSWER 28 OF 35 CAPLUS COPYRIGHT 2004 ACS on STN
TI Mammalian p55CDC mediates association of the spindle checkpoint protein Mad2 with the cyclosome/anaphase-promoting complex, and is involved in regulating anaphase onset and late mitotic events

L18 ANSWER 29 OF 35 MEDLINE on STN DUPLICATE 4
TI Cdm1, the smallest subunit of DNA polymerase d in the fission yeast Schizosaccharomyces pombe, is non-essential for growth and division.

L18 ANSWER 30 OF 35 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 5
TI The yeast CDC16 and **CDC27** genes restrict **DNA replication** to once per cell cycle

=> d l18 21, 22, 23, 27, 30 bib

L18 ANSWER 21 OF 35 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN
AN 2000:30119835 BIOTECHNO
TI Essential interaction between the fission yeast DNA polymerase δ subunit **Cdc27** and Pcn1 (PCNA) mediated through a C-terminal p21(Cip1)-like PCNA binding motif
AU Reynolds N.; Warbrick E.; Fantes P.A.; MacNeill S.A.
CS S.A. MacNeill, Institute Cell and Molecular Biology, University of Edinburgh, King's Buildings, Mayfield Road, Edinburgh EH9 3JR, United Kingdom.
E-mail: s.a.macneill@ed.ac.uk
SO EMBO Journal, (01 MAR 2000), 19/5 (1108-1118), 42 reference(s)
CODEN: EMJODG ISSN: 0261-4189
DT Journal; Article
CY United Kingdom
LA English
SL English

L18 ANSWER 22 OF 35 MEDLINE on STN DUPLICATE 2
AN 2000404018 MEDLINE
DN PubMed ID: 10880469
TI Genetic analyses of Schizosaccharomyces pombe dna2(+) reveal that dna2 plays an essential role in Okazaki fragment metabolism.
AU Kang H Y; Choi E; Bae S H; Lee K H; Gim B S; Kim H D; Park C; MacNeill S A; Seo Y S
CS National Creative Research Initiative Center for Cell Cycle Control, Samsung Biomedical Research Institute, Sungkyunkwan University School of Medicine, Changan-Ku Suwon, Kyunggi-Do, 440-746, Korea.
SO Genetics, (2000 Jul) 155 (3) 1055-67.
Journal code: 0374636. ISSN: 0016-6731.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals

EM 200008
ED Entered STN: 20000901
Last Updated on STN: 20030311
Entered Medline: 20000821

L18 ANSWER 23 OF 35 MEDLINE on STN DUPLICATE 3
AN 1999238406 MEDLINE
DN PubMed ID: 10219083
TI Isolation and identification of the third subunit of mammalian DNA polymerase delta by PCNA-affinity chromatography of mouse FM3A cell extracts.
AU Hughes P; Tratner I; Ducoux M; Piard K; Baldacci G
CS Centre National de la Recherche Scientifique (CNRS), UPR9044, Institut de Recherches sur le Cancer,7 rue Guy Moquet BP 8, 94801 Villejuif, France.. hughes@infobiogen.fr
SO Nucleic acids research, (1999 May 15) 27 (10) 2108-14.
Journal code: 0411011. ISSN: 0305-1048.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199906
ED Entered STN: 19990712
Last Updated on STN: 20011003
Entered Medline: 19990624

L18 ANSWER 27 OF 35 MEDLINE on STN
AN 1998344072 MEDLINE
DN PubMed ID: 9677405
TI Characterization of the two small subunits of Saccharomyces cerevisiae DNA polymerase delta.
AU Gerik K J; Li X; Pautz A; Burgers P M
CS Department of Biochemistry and Molecular Biophysics, Washington University School of Medicine, St. Louis, Missouri 63110, USA.
NC GM32431 (NIGMS)
SO Journal of biological chemistry, (1998 Jul 31) 273 (31) 19747-55.
Journal code: 2985121R. ISSN: 0021-9258.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199809
ED Entered STN: 19980917
Last Updated on STN: 19980917
Entered Medline: 19980910

L18 ANSWER 30 OF 35 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 5
AN 1996:222732 CAPLUS
DN 124:255524
TI The yeast CDC16 and **CDC27** genes restrict **DNA replication** to once per cell cycle
AU Heichman, Karen A.; Roberts, James M.
CS Division Basic Sciences, Fred Hutchinson Cancer Res. Center, Seattle, WA, 98104, USA
SO Cell (Cambridge, Massachusetts) (1996), 85(1), 39-48
CODEN: CELLB5; ISSN: 0092-8674
PB Cell Press
DT Journal
LA English

=> d l18 31-35 ti

L18 ANSWER 31 OF 35 MEDLINE on STN DUPLICATE 6
TI Localization of the human homolog of the yeast **cell**

division control 27 **gene** (**CDC27**) proximal to
ITGB3 on human chromosome 17q21.3.

L18 ANSWER 32 OF 35 MEDLINE on STN DUPLICATE 7
TI Molecular cloning and sequence analysis of **cdc27+** required for
the G2-M transition in the fission yeast Schizosaccharomyces pombe.

L18 ANSWER 33 OF 35 MEDLINE on STN
TI Controlling cell cycle progress in the fission yeast Schizosaccharomyces
pombe.

L18 ANSWER 34 OF 35 CAPLUS COPYRIGHT 2004 ACS on STN
TI Dependency relations between events in mitosis in Schizosaccharomyces
pombe

L18 ANSWER 35 OF 35 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 8
TI Two **cell division** cycle mutants of Saccharomyces
cerevisiae are defective in transmission of mitochondria to zygotes

=> d l18 31, 32, 33 bib

L18 ANSWER 31 OF 35 MEDLINE on STN DUPLICATE 6
AN 96195808 MEDLINE
DN PubMed ID: 8619132
TI Localization of the human homolog of the yeast **cell**
division control 27 **gene** (**CDC27**) proximal to
ITGB3 on human chromosome 17q21.3.
AU Ho P P; Couch F J; Brody L C; Abel K J; Boehnke M; Shearon T H;
Chandrasekharappa S C; Collins F S; Weber B L
CS Wayne State University, Department of Immunology and Microbiology,
Detroit, Michigan 48201, USA.
NC R01 CA57601 (NCI)
R01 CA61231 (NCI)
R01 HG60209 (NHGRI)
SO Somatic cell and molecular genetics, (1995 Sep) 21 (5) 351-5.
Journal code: 8403568. ISSN: 0740-7750.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199606
ED Entered STN: 19960620
Last Updated on STN: 19980206
Entered Medline: 19960613

L18 ANSWER 32 OF 35 MEDLINE on STN DUPLICATE 7
AN 92167959 MEDLINE
DN PubMed ID: 1538696
TI Molecular cloning and sequence analysis of **cdc27+** required for
the G2-M transition in the fission yeast Schizosaccharomyces pombe.
AU Hughes D A; MacNeill S A; Fantes P A
CS Institute of Cell and Molecular Biology, University of Edinburgh, UK.
SO Molecular & general genetics : MGG, (1992 Feb) 231 (3) 401-10.
Journal code: 0125036. ISSN: 0026-8925.
CY GERMANY: Germany, Federal Republic of
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS GENBANK-M74062; GENBANK-M83307
EM 199203
ED Entered STN: 19920417
Last Updated on STN: 19950206
Entered Medline: 19920331

```
L18  ANSWER 33 OF 35     MEDLINE on STN
AN   93005561     MEDLINE
DN   PubMed ID: 1840886
TI   Controlling cell cycle progress in the fission yeast Schizosaccharomyces
     pombe.
AU   MacNeill S A; Warbrick E; Fantes P A
CS   Institute of Cell and Molecular Biology, University of Edinburgh, UK.
SO   Current opinion in genetics & development, (1991 Oct) 1 (3) 307-12.  Ref:
     60
     Journal code: 9111375. ISSN: 0959-437X.
CY   ENGLAND: United Kingdom
DT   Journal; Article; (JOURNAL ARTICLE)
     General Review; (REVIEW)
     (REVIEW, TUTORIAL)
LA   English
FS   Priority Journals
EM   199211
ED   Entered STN: 19930122
     Last Updated on STN: 19930122
     Entered Medline: 19921125


=> d his

     (FILE 'HOME' ENTERED AT 11:51:00 ON 23 MAR 2004)

     FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO, USPATFULL'
     ENTERED AT 11:51:07 ON 23 MAR 2004
L1            97 S (HEMERLY, A? OR HEMERLY A?)/AU
L2          1414 S (FERREIRA, P? OR FERREIRA P?)/AU
L3           101 S (ROMBAUTS, S? OR ROMBAUTS S?)/AU
L4             2 S L1 AND L2 AND L3
L5             2 DUPLICATE REMOVE L4 (0 DUPLICATES REMOVED)
L6          1523 S L1 OR L2 OR L3
L7          1521 S L6 NOT L4
L8             5 S L7 AND CDC27
L9             1 DUPLICATE REMOVE L8 (4 DUPLICATES REMOVED)
L10          370 S CDC27
L11       340869 S DNA(W)REPLICATION OR CELL(W)DIVISION
L12          126 S L10 AND L11
L13           98 S L12 AND (CDNA OR GENE OR TRANSFORM)
L14           46 S L13 AND PLANT
L15           39 S L14 NOT L6
L16           39 DUPLICATE REMOVE L15 (0 DUPLICATES REMOVED)
L17           52 S L13 NOT L14
L18           35 DUPLICATE REMOVE L17 (17 DUPLICATES REMOVED)

=> s dna(w)polymerase(w)delta
L19        2471 DNA(W) POLYMERASE(W) DELTA

=> s l19 and plant
L20         115 L19 AND PLANT

=> s l20 and arabidopsis
L21           9 L20 AND ARABIDOPSIS

=> duplicate remove l21
DUPLICATE PREFERENCE IS 'CAPLUS, BIOSIS, USPATFULL'
KEEP DUPLICATES FROM MORE THAN ONE FILE?  Y/(N):n
PROCESSING COMPLETED FOR L21
L22            8 DUPLICATE REMOVE L21 (1 DUPLICATE REMOVED)

=> d l22 1-8 ti

L22  ANSWER 1 OF 8  USPATFULL on STN
```

TI Rice promoters for regulation of **plant** expression

L22 ANSWER 2 OF 8 USPATFULL on STN
TI Detection of heteroduplex polynucleotides using mutant nucleic acid repair enzymes with attenuated catalytic activity

L22 ANSWER 3 OF 8 USPATFULL on STN
TI Human genes and gene expression products

L22 ANSWER 4 OF 8 USPATFULL on STN
TI Nucleic acids, proteins and antibodies

L22 ANSWER 5 OF 8 USPATFULL on STN
TI Method of using DNA episomes to suppress gene expression in plants

L22 ANSWER 6 OF 8 USPATFULL on STN
TI Method of using DNA episomes to suppress gene expression in plants

L22 ANSWER 7 OF 8 USPATFULL on STN
TI Nucleic acids, proteins and antibodies

L22 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 1
TI Two distinct proliferating cell nuclear antigens are present in the wheat cell

=> d l22 1,8 bib

L22 ANSWER 1 OF 8 USPATFULL on STN
AN 2004:20717 USPATFULL
TI Rice promoters for regulation of **plant** expression
IN Budworth, Paul, San Diego, CA, UNITED STATES
Moughamer, Todd, San Diego, CA, UNITED STATES
Briggs, Steven P., Del Mar, CA, UNITED STATES
Cooper, Bret, La Jolla, CA, UNITED STATES
Glazebrook, Jane, San Diego, CA, UNITED STATES
Goff, Stephen Arthur, Encinitas, CA, UNITED STATES
Katagiri, Fumiaki, San Diego, CA, UNITED STATES
Kreps, Joel, Carlsbad, CA, UNITED STATES
Provart, Nicholas, Toronto, CANADA
Ricke, Darrell, San Diego, CA, UNITED STATES
Zhu, Tong, San Diego, CA, UNITED STATES
PI US 2004016025 A1 20040122
AI US 2002-260238 A1 20020926 (10)
PRAI US 2001-325448P 20010926 (60)
US 2001-325277P 20010926 (60)
US 2002-370620P 20020404 (60)
DT Utility
FS APPLICATION
LREP James E. Butler, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA, 92121
CLMN Number of Claims: 77
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 18818
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 1
AN 2002:725365 CAPLUS
DN 138:52677
TI Two distinct proliferating cell nuclear antigens are present in the wheat cell
AU Toueille, Magali; Saint-Jean, Bruno; Rome, Claire; Couillaud, Franck; Castroviejo, Michel; Benedetto, Jean-Pierre
CS Laboratoire Replication et Expression des Genomes Eucaryotes et

```
     Retroviraux, Universite Bordeaux 2-CNRS (UMR 5097), Bordeaux, 33076, Fr.
SO   Plant Physiology and Biochemistry (Paris, France) (2002), 40(9), 743-748
     CODEN: PPBIEX; ISSN: 0981-9428
PB   Editions Scientifiques et Medicales Elsevier
DT   Journal
LA   English
RE.CNT  22    THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT


=> d his

     (FILE 'HOME' ENTERED AT 11:51:00 ON 23 MAR 2004)

     FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO, USPATFULL'
     ENTERED AT 11:51:07 ON 23 MAR 2004
L1            97 S (HEMERLY, A? OR HEMERLY A?)/AU
L2          1414 S (FERREIRA, P? OR FERREIRA P?)/AU
L3           101 S (ROMBAUTS, S? OR ROMBAUTS S?)/AU
L4             2 S L1 AND L2 AND L3
L5             2 DUPLICATE REMOVE L4 (0 DUPLICATES REMOVED)
L6          1523 S L1 OR L2 OR L3
L7          1521 S L6 NOT L4
L8             5 S L7 AND CDC27
L9             1 DUPLICATE REMOVE L8 (4 DUPLICATES REMOVED)
L10          370 S CDC27
L11       340869 S DNA(W)REPLICATION OR CELL(W)DIVISION
L12          126 S L10 AND L11
L13           98 S L12 AND (CDNA OR GENE OR TRANSFORM)
L14           46 S L13 AND PLANT
L15           39 S L14 NOT L6
L16           39 DUPLICATE REMOVE L15 (0 DUPLICATES REMOVED)
L17           52 S L13 NOT L14
L18           35 DUPLICATE REMOVE L17 (17 DUPLICATES REMOVED)
L19         2471 S DNA(W)POLYMERASE(W)DELTA
L20          115 S L19 AND PLANT
L21            9 S L20 AND ARABIDOPSIS
L22            8 DUPLICATE REMOVE L21 (1 DUPLICATE REMOVED)

=> s l20 and (gene or cdna or sequence or cloned)
L23           98 L20 AND (GENE OR CDNA OR SEQUENCE OR CLONED)

=> s l23 not l21
L24           89 L23 NOT L21

=> duplicate remove l 24
ENTER L# LIST OR (END):l24
'L' IS NOT VALID.  VALID FILE NAMES ARE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS,
BIOTECHNO, USPATFULL'
You have entered a file name of duplicates to keep that is not
referenced by any of the L#s specified for this DUPLICATE command.
The file names of duplicates that can be kept are listed above.
Please enter one of these file names.
ENTER FILE NAMES OF DUPLICATES TO KEEP:caba
PROCESSING COMPLETED FOR L24
L25           58 DUPLICATE REMOVE L24 CABA  (31 DUPLICATES REMOVED)

=> duplicate remove l23
DUPLICATE PREFERENCE IS 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO,
USPATFULL'
KEEP DUPLICATES FROM MORE THAN ONE FILE?  Y/(N):n
PROCESSING COMPLETED FOR L23
L26           66 DUPLICATE REMOVE L23 (32 DUPLICATES REMOVED)

=> d l26 1-10 ti
```

L26 ANSWER 1 OF 66 USPATFULL on STN
TI Thermotoga maritima delta prime polymerase subunit and use thereof

L26 ANSWER 2 OF 66 USPATFULL on STN
TI Nucleic acid encoding aquifex aeolicus delta prime polymerase subunit

L26 ANSWER 3 OF 66 USPATFULL on STN
TI Nucleic acid encoding bacillus stearothermophilus tau polymerase subunit

L26 ANSWER 4 OF 66 USPATFULL on STN
TI Nucleic acid encoding thermotoga maritima delta prime polymerase subunit

L26 ANSWER 5 OF 66 USPATFULL on STN
TI Nucleic acid encoding bacillus stearothermophilus delta polymerase subunit

L26 ANSWER 6 OF 66 USPATFULL on STN
TI Identification of dysregulated genes in patients with multiple sclerosis

L26 ANSWER 7 OF 66 USPATFULL on STN
TI Rice promoters for regulation of **plant** expression

L26 ANSWER 8 OF 66 USPATFULL on STN
TI Detection of heteroduplex polynucleotides using mutant nucleic acid repair enzymes with attenuated catalytic activity

L26 ANSWER 9 OF 66 USPATFULL on STN
TI Chimeric antigen binding molecules and methods for making and using them

L26 ANSWER 10 OF 66 USPATFULL on STN
TI Sensitization of cells to cytotoxic agents using oligonucleotides directed to nucleotide excision repair or transcritpion coupled repair genes

=> d l26 11-20 ti

L26 ANSWER 11 OF 66 USPATFULL on STN
TI Compositions and methods for making polynucleotides by iterative assembly of codon building blocks

L26 ANSWER 12 OF 66 USPATFULL on STN
TI Novel DNA polymerase III holoenzyme delta subunit nucleic acid molecules and proteins

L26 ANSWER 13 OF 66 USPATFULL on STN
TI Methods for purifying double-stranded nucleic acids lacking base pair mismatches or nucleotide gaps

L26 ANSWER 14 OF 66 USPATFULL on STN
TI Nck SH3 binding peptides

L26 ANSWER 15 OF 66 USPATFULL on STN
TI Discovery and diagnostic methods using 5-methylcytosine DNA glycosylase

L26 ANSWER 16 OF 66 USPATFULL on STN
TI Methods for amplifying and sequencing nucleic acid molecules using a three component polymerase

L26 ANSWER 17 OF 66 USPATFULL on STN
TI Nucleic acid molecules encoding CEL I endonuclease and methods of use thereof

L26 ANSWER 18 OF 66 USPATFULL on STN

TI Methods for purifying annealed double-stranded oligonucleotides lacking base pair mismatches or nucleotide gaps

L26 ANSWER 19 OF 66 USPATFULL on STN
TI Senescent cell-derived inhibitors of DNA synthesis

L26 ANSWER 20 OF 66 USPATFULL on STN
TI Isolated genomic polynucleotide fragments from chromosome 7

=> d l26 21-30 ti

L26 ANSWER 21 OF 66 USPATFULL on STN
TI DNA replication proteins of Gram positive bacteria and their use to screen for chemical inhibitors

L26 ANSWER 22 OF 66 USPATFULL on STN
TI Human cDNAs and proteins and uses thereof

L26 ANSWER 23 OF 66 USPATFULL on STN
TI Mutant p21Cip1/WAF1 and cell growth control and cell growth control

L26 ANSWER 24 OF 66 USPATFULL on STN
TI 6,9-disubstituted 2-[trans-(4-aminocyclohexyl) amino] purines

L26 ANSWER 25 OF 66 USPATFULL on STN
TI Human genes and **gene** expression products

L26 ANSWER 26 OF 66 USPATFULL on STN
TI Antifungal compounds and methods of use

L26 ANSWER 27 OF 66 USPATFULL on STN
TI Polymerase kappa compositions and methods thereof

L26 ANSWER 28 OF 66 USPATFULL on STN
TI Human **gene** encoding 3'-5' exonuclease

L26 ANSWER 29 OF 66 USPATFULL on STN
TI Methods for amplifying and sequencing nucleic acid molecules using a three component polymerase

L26 ANSWER 30 OF 66 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
TI Geminiviruses and host **gene** expression.

=> d l26 31-40 ti

L26 ANSWER 31 OF 66 CABA COPYRIGHT 2004 CABI on STN
TI Molecular characterization of the major virion protein **gene** from the Trichoplusia ni ascovirus.

L26 ANSWER 32 OF 66 USPATFULL on STN
TI Methods and compositions for increasing protein yield from a cell culture

L26 ANSWER 33 OF 66 USPATFULL on STN
TI Nucleic acids, proteins and antibodies

L26 ANSWER 34 OF 66 USPATFULL on STN
TI Method of using DNA episomes to suppress **gene** expression in plants

L26 ANSWER 35 OF 66 USPATFULL on STN
TI Modulating response to genotoxic stress

L26 ANSWER 36 OF 66 USPATFULL on STN
TI Method of using DNA episomes to suppress **gene** expression in plants

L26 ANSWER 37 OF 66 USPATFULL on STN
TI Nucleic acids, proteins and antibodies

L26 ANSWER 38 OF 66 USPATFULL on STN
TI 6, 9-disubstituted 2-[trans-(4-aminocyclohexyl)amino] purines

L26 ANSWER 39 OF 66 USPATFULL on STN
TI Nck SH3 binding peptides

L26 ANSWER 40 OF 66 USPATFULL on STN
TI 6,9,-disubstituted 2-[trans-(4-aminocyclohexyl) amino] purines

=> d l26 41-50 ti

L26 ANSWER 41 OF 66 USPATFULL on STN
TI Senscent cell-derived inhibitors of DNA synthesis

L26 ANSWER 42 OF 66 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 1
TI Two distinct proliferating cell nuclear antigens are present in the wheat cell

L26 ANSWER 43 OF 66 MEDLINE on STN DUPLICATE 2
TI Characterization of **DNA polymerase delta** from a higher **plant**, rice (Oryza sativa L.).

L26 ANSWER 44 OF 66 USPATFULL on STN
TI GRB2 SH3 binding peptides and methods of isolating and using same

L26 ANSWER 45 OF 66 MEDLINE on STN DUPLICATE 3
TI Proliferating cell nuclear antigen transcription is repressed through an E2F consensus element and activated by geminivirus infection in mature leaves.

L26 ANSWER 46 OF 66 USPATFULL on STN
TI Cell division regulators

L26 ANSWER 47 OF 66 USPATFULL on STN
TI Cell division regulators

L26 ANSWER 48 OF 66 USPATFULL on STN
TI Cell division regulators

L26 ANSWER 49 OF 66 MEDLINE on STN DUPLICATE 4
TI A full-length **cDNA** of hREV3 is predicted to encode DNA polymerase zeta for damage-induced mutagenesis in humans.

L26 ANSWER 50 OF 66 CAPLUS COPYRIGHT 2004 ACS on STN
TI Biochemical characterization of **DNA polymerase delta** and cloning of its **cDNA** from the Glycine max cell line, SB-M

=> d l26 43, 45, 50 bib

L26 ANSWER 43 OF 66 MEDLINE on STN DUPLICATE 2
AN 2002479991 MEDLINE
DN PubMed ID: 12242007
TI Characterization of **DNA polymerase delta** from a higher **plant**, rice (Oryza sativa L.).
AU Uchiyama Yukinobu; Hatanaka Masami; Kimura Seisuke; Ishibashi Toyotaka;

Ueda Tadamasa; Sakakibara Yoshikiyo; Matsumoto Takashi; Furukawa Tomoyuki; Hashimoto Junji; Sakaguchi Kengo
CS Department of Applied Biological Science, Faculty of Science and Technology, Tokyo University of Science, 2641 Yamazaki, Noda, Chiba 278-8510, Japan.
SO Gene, (2002 Jul 24) 295 (1) 19-26.
Journal code: 7706761. ISSN: 0378-1119.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS GENBANK-AB037899
EM 200301
ED Entered STN: 20020921
Last Updated on STN: 20030124
Entered Medline: 20030123

L26 ANSWER 45 OF 66 MEDLINE on STN DUPLICATE 3
AN 2001334386 MEDLINE
DN PubMed ID: 11402171
TI Proliferating cell nuclear antigen transcription is repressed through an E2F consensus element and activated by geminivirus infection in mature leaves.
AU Egelkrout E M; Robertson D; Hanley-Bowdoin L
CS Department of Biochemistry, North Carolina State University, Raleigh, North Carolina 27695-7622, USA.
SO Plant cell, (2001 Jun) 13 (6) 1437-52.
Journal code: 9208688. ISSN: 1040-4651.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200108
ED Entered STN: 20010820
Last Updated on STN: 20010820
Entered Medline: 20010816

L26 ANSWER 50 OF 66 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1999:135921 CAPLUS
DN 130:164701
TI Biochemical characterization of **DNA polymerase delta** and cloning of its **cDNA** from the Glycine max cell line, SB-M
AU Collins, Jeannie T. B.
CS Univ. of Southern Mississippi, Hattiesburg, MS, USA
SO (1998) 111 pp. Avail.: UMI, Order No. DA9840821
From: Diss. Abstr. Int., B 1999, 59(7), 3410
DT Dissertation
LA English

=> d l26 51-60 ti

L26 ANSWER 51 OF 66 USPATFULL on STN
TI Treatment and detection of tuberculosis, leprosy, and related diseases

L26 ANSWER 52 OF 66 USPATFULL on STN
TI Non-radioactive DNA sequencing

L26 ANSWER 53 OF 66 CAPLUS COPYRIGHT 2004 ACS on STN
TI Molecular genetic and biochemical analysis of Brassica napus proliferating cell nuclear antigen function

L26 ANSWER 54 OF 66 MEDLINE on STN DUPLICATE 5
TI The proliferating cell nuclear antigen (PCNA) **gene** family in Zea

mays is composed of two members that have similar expression programmes.

L26 ANSWER 55 OF 66 MEDLINE on STN DUPLICATE 6
TI Two of three promoter elements identified in a rice **gene** for proliferating cell nuclear antigen are essential for meristematic tissue-specific expression.

L26 ANSWER 56 OF 66 MEDLINE on STN
TI A geminivirus induces expression of a host DNA synthesis protein in terminally differentiated **plant** cells.

L26 ANSWER 57 OF 66 MEDLINE on STN DUPLICATE 7
TI Expression of functional proliferating-cell nuclear antigen from rice (Oryza sativa) in Escherichia coli. Activity in association with human **DNA polymerase delta.**

L26 ANSWER 58 OF 66 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN DUPLICATE 8
TI The molecular genetics and biochemistry of DNA replication.

L26 ANSWER 59 OF 66 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN DUPLICATE 9
TI Identification of carrot **cDNA** clones encoding a second putative proliferating cell-nuclear antigen, **DNA polymerase delta** auxiliary protein.

L26 ANSWER 60 OF 66 CAPLUS COPYRIGHT 2004 ACS on STN
TI Highly conserved structure of proliferating cell nuclear antigen (**DNA polymerase** δ auxiliary protein) **gene** in plants

=> d l26 53-60 bib

L26 ANSWER 53 OF 66 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1997:513865 CAPLUS
DN 127:215799
TI Molecular genetic and biochemical analysis of Brassica napus proliferating cell nuclear antigen function
AU Markley, Nancy-Ann; Young, Dallan; Laquel, Patricia; Castroviejo, Michel; Moloney, Maurice M.
CS Department of Medical Biochemistry, University of Calgary Health Sciences Center, Calgary, AB, T2N 4N1, Can.
SO Plant Molecular Biology (1997), 34(4), 693-700
CODEN: PMBIDB; ISSN: 0167-4412
PB Kluwer
DT Journal
LA English

L26 ANSWER 54 OF 66 MEDLINE on STN DUPLICATE 5
AN 97398132 MEDLINE
DN PubMed ID: 9256057
TI The proliferating cell nuclear antigen (PCNA) **gene** family in Zea mays is composed of two members that have similar expression programmes.
AU Lopez I; Khan S; Vazquez J; Hussey P J
CS Instituto de Investigaciones Biomedicas, Universidad Nacional Autonoma de Mexico, Mexico, D.F.. ilopez@servidor.unam.mx
SO Biochimica et biophysica acta, (1997 Jul 17) 1353 (1) 1-6.
Journal code: 0217513. ISSN: 0006-3002.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)

LA English
FS Priority Journals
OS GENBANK-U87949
EM 199708
ED Entered STN: 19970908
Last Updated on STN: 19970908
Entered Medline: 19970825

L26 ANSWER 55 OF 66 MEDLINE on STN DUPLICATE 6
AN 95322995 MEDLINE
DN PubMed ID: 7599648
TI Two of three promoter elements identified in a rice **gene** for proliferating cell nuclear antigen are essential for meristematic tissue-specific expression.
AU Kosugi S; Suzuka I; Ohashi Y
CS National Institute of Agrobiological Resources, Ibaraki, Japan.
SO Plant journal : for cell and molecular biology, (1995 Jun) 7 (6) 877-86.
Journal code: 9207397. ISSN: 0960-7412.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199508
ED Entered STN: 19950822
Last Updated on STN: 19950822
Entered Medline: 19950808

L26 ANSWER 56 OF 66 MEDLINE on STN
AN 95375537 MEDLINE
DN PubMed ID: 7647562
TI A geminivirus induces expression of a host DNA synthesis protein in terminally differentiated **plant** cells.
AU Nagar S; Pedersen T J; Carrick K M; Hanley-Bowdoin L; Robertson D
CS Department of Botany, North Carolina State University, Raleigh 27695-7612, USA.
NC AI08511 (NIAID)
SO Plant cell, (1995 Jun) 7 (6) 705-19.
Journal code: 9208688. ISSN: 1040-4651.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199509
ED Entered STN: 19951005
Last Updated on STN: 19951005
Entered Medline: 19950928

L26 ANSWER 57 OF 66 MEDLINE on STN DUPLICATE 7
AN 94307259 MEDLINE
DN PubMed ID: 7913441
TI Expression of functional proliferating-cell nuclear antigen from rice (Oryza sativa) in Escherichia coli. Activity in association with human **DNA polymerase delta.**
AU Matsumoto T; Hata S; Suzuka I; Hashimoto J
CS Department of Molecular Biology, National Institute of Agrobiological Resources, Ibaraki, Japan.
SO European journal of biochemistry / FEBS, (1994 Jul 1) 223 (1) 179-87.
Journal code: 0107600. ISSN: 0014-2956.
CY GERMANY: Germany, Federal Republic of
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199408
ED Entered STN: 19940825
Last Updated on STN: 19980206

Entered Medline: 19940817

L26 ANSWER 58 OF 66 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN DUPLICATE 8
AN 93:81397 AGRICOLA
DN IND93055580
TI The molecular genetics and biochemistry of DNA replication.
AU Aves, S.J.; Bryant, J.A.
AV DNAL (QK725.M74 1993)
SO [Molecular and cell biology of the plant cell cycle : proceedings of a meeting held at Lancaster University, 9-10 April 1992 / edited by John Ormrod and D. Francis], p. 45-56
Publisher: Dordrecht : Kluwer Academic, c1993.
ISBN: 079231767X.
NTE Literature review.
Includes references.
DT Article; (SURVEY OF LITURATURE)
FS Non-U.S. Imprint other than FAO
LA English

L26 ANSWER 59 OF 66 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN DUPLICATE 9
AN 92:63299 AGRICOLA
DN IND92036241
TI Identification of carrot **cDNA** clones encoding a second putative proliferating cell-nuclear antigen, **DNA polymerase delta** auxiliary protein.
AU Hata, S.; Kouchi, H.; Tanaka, Y.; Minami, E.; Matsumoto, T.; Suzuka, I.; Hashimoto, J.
CS Himeji Institute of Technology, Hyogo, Japan
AV DNAL (QP501.E8)
SO European journal of biochemistry, Feb 1992. Vol. 203, No. 3. p. 367-371
Publisher: New York, NY : Springer-Verlag New York Inc.
CODEN: EJBCAI; ISSN: 0014-2956
NTE Includes references.
DT Article
FS U.S. Imprints not USDA, Experiment or Extension
LA English

L26 ANSWER 60 OF 66 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1991:443079 CAPLUS
DN 115:43079
TI Highly conserved structure of proliferating cell nuclear antigen (**DNA polymerase** δ auxiliary protein) **gene** in plants
AU Suzuka, Iwao; Hata, Shingo; Matsuoka, Makoto; Kosugi, Shunichi; Hashimoto, Junji
CS Natl. Inst. Agrobiol. Resour., Tsukuba, 305, Japan
SO European Journal of Biochemistry (1991), 195(2), 571-5
CODEN: EJBCAI; ISSN: 0014-2956
DT Journal
LA English

=> d l26 61-66 ti

L26 ANSWER 61 OF 66 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN
TI Molecular cloning, structure and expression of the yeast proliferating

cell nuclear antigen **gene.**

L26 ANSWER 62 OF 66 MEDLINE on STN DUPLICATE 10
TI **Gene** for proliferating-cell nuclear antigen (**DNA polymerase delta** auxiliary protein) is present in both mammalian and higher **plant** genomes.

L26 ANSWER 63 OF 66 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
TI PROLIFERATING CELL NUCLEAR ANTIGEN PCNA-CYCLIN REVIEW AND SOME NEW FINDINGS.

L26 ANSWER 64 OF 66 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
TI THE **GENE** FOR PCNA **DNA POLYMERASE-DELTA** AUXILIARY PROTEIN IS PRESENT IN HIGHER **PLANT** GENOMES.

L26 ANSWER 65 OF 66 CAPLUS COPYRIGHT 2004 ACS on STN
TI PCNA/**DNA polymerase** δ auxiliary protein and molecular cloning of the **gene**

L26 ANSWER 66 OF 66 CAPLUS COPYRIGHT 2004 ACS on STN
TI The **gene** for PCNA (**DNA polymerase-delta** auxiliary protein) is present in higher **plant** genomes

=> d l2662, 64, 66 bib
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TI THE **GENE** FOR PCNA **DNA POLYMERASE-DELTA** AUXILIARY PROTEIN IS PRESENT IN HIGHER **PLANT** GENOMES.

L26 ANSWER 66 OF 66 CAPLUS COPYRIGHT 2004 ACS on STN
TI The **gene** for PCNA (**DNA polymerase-delta** auxiliary protein) is present in higher **plant** genomes

=> d l26 64, 66 bib

L26 ANSWER 64 OF 66 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1989:41638 BIOSIS
DN PREV198936018955; BR36:18955
TI THE **GENE** FOR PCNA **DNA POLYMERASE-DELTA** AUXILIARY PROTEIN IS PRESENT IN HIGHER **PLANT** GENOMES.
AU MORIUCHI T [Reprint author]; SUZUKA I; KADOWAKI K-I; DAIDOJI H; TAKASAKI Y; NAKANE P K
CS DEP CELL BIOL, TOKAI UNIV SCH MED, ISEHARA 259-11
SO Nucleic Acids Symp. Ser., (1988) pp. 7-8. OHTSUKA, E. (ED.). NUCLEIC ACIDS SYMPOSIUM SERIES, NO. 20. FIFTEENTH SYMPOSIUM ON NUCLEIC ACIDS CHEMISTRY, SAPPORO, JAPAN, SEPTEMBER 19-21, 1988. VII+148P. IRL PRESS, LTD.: OXFORD, ENGLAND, UK; WASHINGTON, D.C., USA. ILLUS.
Publisher: Series: Nucleic Acids Symposium Series.
CODEN: NACSD8. ISSN: 0261-3166. ISBN: 1-85221-106-7.
DT Book
Conference; (Meeting)
FS BR

LA ENGLISH
ED Entered STN: 27 Dec 1988
Last Updated on STN: 27 Dec 1988

L26 ANSWER 66 OF 66 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1988:523683 CAPLUS
DN 109:123683
TI The **gene** for PCNA (**DNA polymerase-delta** auxiliary protein) is present in higher **plant** genomes
AU Moriuchi, Tetsuya; Suzuka, Iwao; Kadowaki, Koh-ichi; Daidoji, Hideyuki; Takasaki, Yoshinari; Nakane, Paul K.
CS Sch. Med., Tokai Univ., Isehara, 259-11, Japan
SO Nucleic Acids Symposium Series (1988), 20, 7-8
CODEN: NACSD8; ISSN: 0261-3166
DT Journal
LA English

=> d his

(FILE 'HOME' ENTERED AT 11:51:00 ON 23 MAR 2004)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO, USPATFULL'
ENTERED AT 11:51:07 ON 23 MAR 2004
L1 97 S (HEMERLY, A? OR HEMERLY A?)/AU
L2 1414 S (FERREIRA, P? OR FERREIRA P?)/AU
L3 101 S (ROMBAUTS, S? OR ROMBAUTS S?)/AU
L4 2 S L1 AND L2 AND L3
L5 2 DUPLICATE REMOVE L4 (0 DUPLICATES REMOVED)
L6 1523 S L1 OR L2 OR L3
L7 1521 S L6 NOT L4
L8 5 S L7 AND CDC27
L9 1 DUPLICATE REMOVE L8 (4 DUPLICATES REMOVED)
L10 370 S CDC27
L11 340869 S DNA(W)REPLICATION OR CELL(W)DIVISION
L12 126 S L10 AND L11
L13 98 S L12 AND (CDNA OR GENE OR TRANSFORM)
L14 46 S L13 AND PLANT
L15 39 S L14 NOT L6
L16 39 DUPLICATE REMOVE L15 (0 DUPLICATES REMOVED)
L17 52 S L13 NOT L14
L18 35 DUPLICATE REMOVE L17 (17 DUPLICATES REMOVED)
L19 2471 S DNA(W)POLYMERASE(W)DELTA
L20 115 S L19 AND PLANT
L21 9 S L20 AND ARABIDOPSIS
L22 8 DUPLICATE REMOVE L21 (1 DUPLICATE REMOVED)
L23 98 S L20 AND (GENE OR CDNA OR SEQUENCE OR CLONED)
L24 89 S L23 NOT L21
L25 58 DUPLICATE REMOVE L24 CABA (31 DUPLICATES REMOVED)
L26 66 DUPLICATE REMOVE L23 (32 DUPLICATES REMOVED)

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